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CSCI 3104 Problem Set 7

(c) (5 pts) An adjacency list representation. Assume the vector's length is known.

in an adjacency list representation, an array of lists indicates the vertices it shares a connection with The size of the array is the number of vertices in the graph in which the array ACI] is the list of vertices adjacent to the im vertex.

If we have this list, we can get me in- and out-degree by getting medirection of the edge and update the count of each vertex.

We must run a loop mronan each eage and vertex once to do mis.

So, time complexity is O(V+E)